	Application No.	Applicant(s)
Notice of Allowability	10/774,404	SEO ET AL.
	Examiner	Art Unit
	Michael V. Battaglia	2627
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to 13 November 2006.		
2. X The allowed claim(s) is/are 1-27 (now renumbered as 1,2,10,19,4,6,5,11,13,12,20,22,21,14,15,23,24,3,7-9,16-18 and 25-27 respectively).		
 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. <u>09/359,128</u>. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received:		
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informal F 6. ☑ Interview Summary Paper No./Mail Da 7. ☑ Examiner's Amenda 8. ☐ Examiner's Stateme 9. ☐ Other	(PTO-413), te

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Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on November 13, 2006 has been entered.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with James G. McEwen on December 6, 2006.

The application has been amended as follows:

- a.) On line 12 of claim 1, "waveform." has been replaced by --waveform, and a width of the first pulse is varied by varying the position of the rising edge.--
- b.) On line 11 of claim 3, "write." has been replaced by --write, wherein the width of the first pulse is varied by varying the position of the rising edge.--
- c.) On line 11 of claim 4, "waveform." has been replaced by --waveform, wherein the width of the first pulse is varied by varying the position of the rising edge.--

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Allowable Subject Matter

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3. Claims 1-27 are allowed. In regard to claim 1, none of the references of record alone or in combination suggest or fairly teach an adaptive writing method of writing input data on an optical recording medium using a write pulse waveform including a first pulse, a last pulse and a multi-pulse train, comprising: controlling the write pulse waveform based on a grouping table to generate an adaptive write pulse waveform by varying a position of a rising edge of the first pulse of a mark to be written according to a length of the mark to be written and/or a leading space, the grouping table storing rising edge data of the first pulse of the write pulse waveform varying according to corresponding stored values of lengths of marks to be written; and optically writing the input data on the optical recording medium using the adaptive write pulse waveform, wherein the generated adaptive write pulse waveform is generated without regard for a trailing space of a present mark being written using the adaptive write pulse waveform, and a width of the first pulse is varied by varying the position of the rising edge.

In regard to claim 3, none of the references of record alone or in combination suggest or fairly teach an adaptive writing method of writing input data on an optical recording medium using a write pulse waveform including a first pulse, a last pulse and a multi-pulse train, comprising: controlling the write pulse waveform by varying a position of a rising edge of the first pulse of a mark to be written according to a length of the mark to be written and a leading space based on a grouping table, the grouping table having rising edge data grouped in pulse groups which group the first pulse of the write pulse waveform grouped according to a first preset length of the mark and space and a second preset length of the mark and

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space to generate an adaptive write pulse waveform; and optically writing the input data on the optical reGording medium using the adaptive write, wherein the width of the first pulse is varied by varying the position of the rising edge.

In regard to claim 4, none of the references of record alone or in combination suggest or fairly teach an adaptive writing method of writing input data on an optical recording medium using a write pulse waveform including a first pulse, a last pulse and a multi-pulse train, comprising: controlling the write pulse waveform based on a grouping table to generate an adaptive write pulse waveform by varying a position of a rising edge of the first pulse of the mark to be written according to a length of at least a mark to be written and a leading space, the grouping table storing rising edge data of the first pulse of the write pulse waveform grouped in corresponding pulse groups according to lengths of marks to be written and lengths of spaces adjacent to the marks to be written; and optically writing the input data on the optical recording medium using the adaptive write pulse waveform, wherein the width of the first pulse is varied by varying the position of the rising edge.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael V. Battaglia whose telephone number is (571) 272-7568. The examiner can normally be reached on M-F, 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, A. Wellington can be reached on (571) 272-4483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Michael Battaglia

ANDREA WELLINGTON
SUPERVISORY PATENT EXAMINER